

Figure 1 (Prior Art)

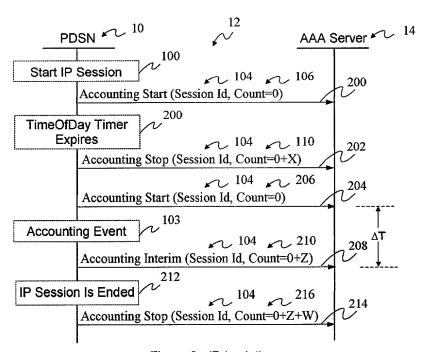
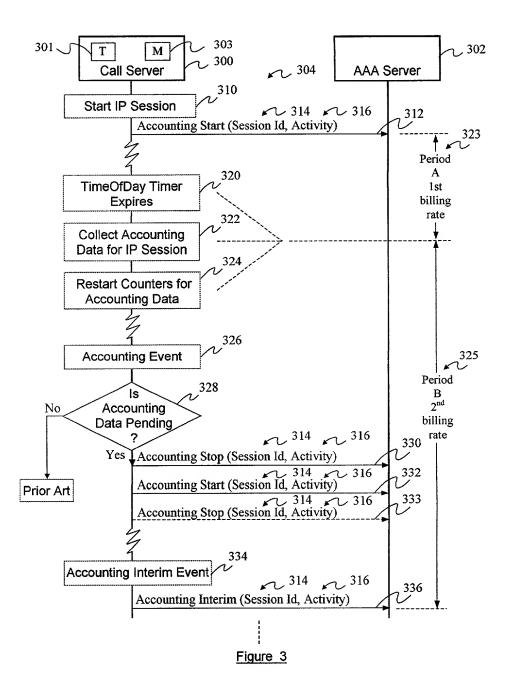


Figure 2 (Prior Art)

APP ID=09682840 Page 21 of 24



APP_ID=09682840 Page 22 of 24

Item	Parameter	Description
	ile Identifiers	
		Mobile Station ID (e.g., IMSI, MIN, IRM)
	Identifiers	
		IP address of the mobile station.
	Network Access	user@domain construct which identifies the user and home network of the
		mobile station
~ Sees	ion Identifiers	ACCOUNT STATE OF THE STATE OF T
Cl	Identifier (NAI) ion Identifiers Account Session ID Correlation ID	A unique accounting ID created by the PDSN that allows stop and start
CI	ID	records to be matched in a log file.
C2	Correlation ID	An ID that correlates all accounting sessions authorized for this NAI by this
CZ	Correlation is	access request
C 3	Session	This attribute when set to 'true' means it is not the end of a Session and an
00	Continue	Accounting Stop is immediately followed by an Account Start Record.
		'False' means end of a session.
D. Infr	astructure Identif	
	MIP Home	The IP address of the HA
	Agent (HA)	
D2		IP address or other identifier.
	Address	
D3	Serving PCF	The IP address of the serving PCF
	BSID	Base station ID
E. Zon	e Identifiers	
		Tiered Services user zone.
F. Sess	ion Status	
Fl	Forward Mux	Forward direction multiplex option
	Option	-
F2	Reverse Mux	Reverse direction multiplex option
	Option	
F5	Service Option	CDMA air interface service option
F6		Primary or Secondary
	Туре	
F7		Primary or Secondary
	Type(Primary,	
	Secondary)	
F8	Fundamental	The fundamental channel has the choice of 5 or 20 ms size. The 5ms frame
	Frame Size	size allows fast response for short signaling messages (short frame can be
		decoded quickly). However, depending on the configuration, the
F9	Ed	fundamental may not be present.
FУ	Forward Fundamental RC	
F10	Reverse	
riu	Fundamental RC	
F11	IP Technology	Identifies Simple IP, Mobile IP, or another technology.
F11	Compulsory	Indicator of invocation of compulsory tunnel established on behalf of MS for
r12		
	anner marcator	connection.
F13	Release	Specifies reason for sending a stop record.
113	Indicator	pharman range as page 20 a such range as
		l

To be continued on next page

Figure 4 (Part I)

APP_ID=09682840 Page 23 of 24

	G. Sess	ion Activity	
3161	G1	Data Octet	The total number of octets in IP packets sent to the user.
3101		Count	
216		(Terminating)	
3102	G2	Data Octet	The total number of octets in IP packets sent by the user.
		Count	
		(Originating)	
3163	G3	Bad PPP frame	The total number PPP frames from the mobile station dropped by PDSN due
~		count	to uncorrectable errors.
3164	G4	Event Time	Indicates start of accounting session or stop of accounting session if part of a
) x			RADIUS start message or stop message, respectively. It is also used in a
			RADIUS interim message to indicate the time of the event which triggered
3165			the interim message.
	G8	Active Time	The total active connection time on traffic channel in seconds.
3166	G9	Number of	The total number of non-active to Active transitions by the user.
01		Active	
		Transitions	
3167	G10	SDB Octet	The total number of octets sent to the user via Short Data Bursts.
○ x		Count	
216		(Terminating)	
3168	G11	SDB Octet	The total number of octets sent by the user via Short Data Bursts.
~		Count	
216	-010	(Originating)	m
3169	G12	Number of SDBs	The total number of Short Data Burst transactions.
		(Terminating)	
31610	G13	Number of	The total number of Short Data Burst transactions.
	013	SDBs	The total hamber of Short Data Durst dansactions.
		(Originating)	
31611	G14	Number of	The count of all bytes received in the reverse direction by the HDLC layer in
2	0	HDLC laver	the PDSN
		IDDLC lavel	INC POSIN
			ine PDSN
31612	G15	bytes received In-Bound	This is the total number of octets in registration requests and solicitations sent
31612	G15	bytes received	
31612	G15	bytes received In-Bound	This is the total number of octets in registration requests and solicitations sent
. .	G15	In-Bound Mobile IP	This is the total number of octets in registration requests and solicitations sent
316 ₁₂	G15	In-Bound Mobile IP Signaling Octet	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent
. .		bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP	This is the total number of octets in registration requests and solicitations sent by the mobile.
. .		bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP Signaling Octet	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent
. .		bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent
. .		bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP Signaling Octet	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent
. .		bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP Signaling Octet	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent
. .	G16	bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP Signaling Octet Count	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent advertisements, sent to the mobile.
. .	G16	bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP Signaling Octet Count ity of Service IP Quality of	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent
. .	G16	bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP Signaling Octet Count ity of Service IP Quality of Service (QoS)	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent advertisements, sent to the mobile. The differentiated Services code points associated with the user data
• •	Gl6	bytes received In-Bound Mobile IP Signaling Octet Count Outbound Mobile IP Signaling Octet Count ity of Service IP Quality of Service (QoS) Airlink Quality	This is the total number of octets in registration requests and solicitations sent by the mobile. This is the total number of octets in registration replies and agent advertisements, sent to the mobile.

Figure 4 (Part II - Continued)

APP_ID=09682840 Page 24 of 24